Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: April J. Webb / Rebecca T. Cash

General Information

Name:	Osram Sylvania Products Inc.
Address:	P.O. Box 900, Tyrone Pike, Versailles, KY 40383
Date application received:	December 15, 1997
SIC/Source description:	3641
AFS Plant ID:	21-239-00013
EIS #:	102-4140-0013
Application log number:	F452
Permit number:	V-99-032

Application Type/Permit Activity

[X] Initial issuance
[ ] Permit modification
__Administrative
__Minor
__Significant
[ ] Permit renewal

[ ] General permit
[ ] Conditional major
[X] Title V
[ ] Synthetic minor
[ ] Operating
[ ] Construction/operating

Compliance Summary

[ ] Source is out of compliance
[ ] Compliance schedule included
[X] Compliance certification signed

Applicable Requirements list

[ ] NSR
[ ] PSD
[ ] NSPS
[ ] NESHAPS
[X] SIP
[ ] Other

Miscellaneous

[ ] Acid rain source
[ ] Source subject to 112(r)
[ ] Source applied for federally enforceable emissions cap
[ ] Source provided terms for alternative operating scenarios
[ ] Source subject to a MACT standard
[ ] Source requested case-by-case 112(g) or (j) determination
[ ] Application proposes new control technology
[X] Certified by responsible official
[X] Diagrams or drawings included
[X] Confidential business information (CBI) submitted in application
[ ] Pollution Prevention Measures
[ ] Area is non-attainment (list pollutants):

Emissions Summary

Pollutant	Actual (tpy)	Potential (tpy)
PM	36.32	305.292
SO_2	5.337	5.85
NOx	17.43	35.08
CO	3.754	7.48
VOC	1841.804	1841.804
LEAD	0.00037	0.131
HAP $\geq$ 10 tpy (by CAS)		
Xylene	1341.73	1341.73

Source Process Description:

The process begins with washing the glass tubes received from an glass adjacent plant with deionized water. The insides of the tubes are coated with a water / phosphor based solution. Rotating brushes scrape off excess coating at the end of the tubes. The tubes are then transferred on a conveyor belt to a natural gas fired baker where the coating is baked into the tube in the presence of sulfur dioxide. After the baker unit, the end of the tubes are fitted with cathode fixtures, in which, the filament and a narrow glass tubing are fitted into the tube. A vacuum pump is used to evacuate the tube, where it is purged with nitrogen followed by argon gas. Mercury is then injected and evaporated out of the tube. The tubes are then molded to shape and sent to the base fill line. At the base fill, the tubes are mounted with bakelite and sent to the automount division and fitted with the cathode.